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E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED

WILMINGTON, DELAWARE 19898

PETROCHEMICALS DEPARTMENT



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FYI-94-000930

INIT 07/26/94

March 17,

Contains No 22

Mr. Louis Borghi
Industrial Chemical Information Selection
Dynamac Corporation
11140 Rockville Pike
Rockville, Maryland 20852

Dear Mr. Borghi:

We appreciate this opportunity to provide more up-to-date and accurate information in regard to dimethyl terephthalate (DMT) releases to the atmosphere. In your letter to John Lynn (February 10, 1986) you indicate that the EPA believes DMT emissions are as high as 0.6% of production, the basis being a 1976 contractor's report. We don't believe emissions have ever been even close to that level within DuPont, and our best current information shows DMT emissions orders of magnitude less than 0.6%.

DMT has a boiling point of 540 degrees F. and a melting point of 286 degrees F. so it has a very low volatility and it is a solid at all ambient conditions. These physical properties would imply relatively low emission rates, and our plant data confirms this.

Attached are the combined data from the the two DuPont manufacturing facilities. As discussed with you, the data is assembled using the format and terminology of appropriate sections of an 8a report. Essentially all environmental losses are from storage tank vents and truck loading facilities, and losses are based on design data and permit information. These losses to the environment are extremely low because the vents are routed through control devices, such as filters or scrubbers, from which the recovered DMT is either recycled or disposed of via incineration.

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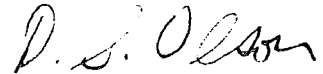
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I hope this information is adequate for your needs. If there are any questions, or if any additional information is needed by the TSCA Interagency Testing Committee, please call Stan Olson at AC 302-774-7662.

Sincerely,



D. S. Olson
Environmental Associate

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DMT EMISSIONS
DUPONT MANUFACTURING FACILITIES
CALENDAR YEAR 1985

Quantity manufactured for sale or use $\sim 1,600,000,000$ lb.
or
 $\sim 724,000,000$ kg.

Quantity lost to the environment $\sim 1,500$ lb. ± 50 %
or
 ~ 680 kg. ± 50 %

Quantity in wastes treated to
destroy the chemical $\sim 3,700,000$ lb. ± 10 %
or
 $\sim 1,680,000$ kg. ± 10 %

Quantity in wastes not treated
to destroy the chemical $\sim 75,000$ lb. ± 25 %
or
 $\sim 34,000$ kg. ± 25 %

Environmental losses represent less than 0.0001% of production.

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